

# SEQUENCE LISTING

<110> Xiao, Yonghong  
Gedrich, Richard

<120> Regulation of Human Transmembrane Serine Protease

<130> 02973.00055

<150> US 60/211,224

<151> 2000-06-13

<150> US 60/283,353

<151> 2001-04-13

<150> US 60/283,648

<151> 2001-04-16

<150> PCT PCT/EP01/06618

<151> 2001-06-12

<150> US 09/879,792

<151> 2001-06-13

<160> 36

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aacagcaatt	acaccgatga	ggaggacgac	tatgacatcg	ccctcatgcg	gctgttcaag	360
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caaattgacac	atctcacatt
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	atgatgagaa
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caaattgacac	atctcacatt
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taggcatttc	acacatatga
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Pro	Ala	Arg	Ala	Ser	Pro	Ala	Leu	Ala	Ser	Leu	Ser	Arg	Ser	Ser	Ser
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Leu	Pro	Leu	Ile	Gly	Cys	Val	Leu	Leu	Leu	Ile	Ala	Leu	Val	Val	Ser
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Leu	Ile	Ile	Leu	Phe	Gln	Phe	Trp	Gln	Gly	His	Thr	Gly	Ile	Arg	Tyr
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Lys	Glu	Gln	Arg	Glu	Ser	Cys	Pro	Lys	His	Ala	Val	Arg	Cys	Asp	Gly
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Ile	Val	Gly	Gly	Ala	Leu	Ala	Ser	Asp	Ser	Lys	Trp	Pro	Trp	Gln	Val
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Tyr	Thr	Asp	Glu	Glu	Asp	Asp	Tyr	Asp	Ile	Ala	Leu	Met	Arg	Leu	Ser
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Lys	Pro	Leu	Thr	Leu	Ser	Ala	His	Ile	His	Pro	Ala	Cys	Leu	Pro	Met
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Phe	Met	Lys	Leu	Asn	Thr	Ser	Ala	Gly	Asn	Val	Asp	Ile	Tyr	Lys	Lys		
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	275					280						285					
Glu	Trp	Ile	Val	Thr	Ala	Ala	His	Cys	Val	Glu	Lys	Pro	Leu	Asn	Asn		
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Tyr	Asp	Ser	Lys	Thr	Lys	Asn	Asn	Asp	Ile	Ala	Leu	Met	Lys	Leu	Gln		
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Pro	Gly	Met	Met	Leu	Gln	Pro	Glu	Gln	Leu	Cys	Trp	Ile	Ser	Gly	Trp		
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Cys	Ala	Lys	Ala	Tyr	Arg	Pro	Gly	Val	Tyr	Gly	Asn	Val	Met	Val	Phe		
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<211> 17  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> BLOCKS BL00495L

<400> 25  
Ser Ser Ile Glu Ile Ile Ile Asn Tyr Glu Tyr Asp Ile Ala Leu Leu  
1 5 10 15  
Pro

<210> 26  
<211> 14  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> BLOCKS BL00134C

<400> 26  
Pro Gly Val Tyr Thr Lys Val Thr Glu Val Leu Pro Trp Ile  
1 5 10

<210> 27  
<211> 10  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> BLOCKS BL01253D

<400> 27  
Cys Gly Gly Leu Ile Trp Val Leu Thr Ala  
1 5 10

<210> 28  
<211> 834  
<212> DNA  
<213> Homo sapiens

<400> 28  
 gctgggctgc gtgaggtttg actgggacaa gtctctgctt aaaatctact ctgggtcctc 60  
 ccatcagtgg ctcccatct gtagcagcaa ctggaatgac tcctactcag agaagacctg 120  
 ccagcagctg ggtttcgaga gtgtcaccg gacaaccgag gttgccaca gggattttgc 180  
 caacagcttc tcaatcttga gatacaactc caccatccag gaaagcctcc acaggtctga 240  
 atgcccttcc cagcgggtata tctccctcca gtgttccac tgcggactga gggccatgac 300  
 cgggcggatc gtgggagggg cgctggcctc ggatagcaag tggccttggc aagtgagtct 360  
 gcacttcggc accaccacaca tctgtggagg cacgtcatt gacgccagt ggggtgtcac 420  
 tgccgccac tgettcttcg tgaccggga gaaggtcctg gagggttga aggtgtacgc 480  
 gggcaccagc aactgcacca gttgcctgag gcagctccat tgccgagatc atcatcaaca 540  
 gcaattacac cgatgaggag gacgactatt gacatcgccc tcatgaggct gttccaagcc 600  
 cctgaacctg tccgtcacat ccacctgct tgctccccc atgcatggac agacctttag 660  
 cctcaatgag acctgttgga tcacaggctt tggcaaagac agggagacag atgaaaagac 720  
 atcccccttc ctggggaggt gcagggtcaat ctcatcgact tccagaaatg caatgactaa 780  
 ctggtctatg acagtacctt acccaaggat gatgtgtgtg ggggaacttcg tggg 834

<210> 29  
 <211> 621  
 <212> DNA  
 <213> mouse

<400> 29  
 agatcatcat ctgccaggtc agcctccagc acatcctccc caacgagagt gtaccttgtt 60  
 agagcaacac cagtgggggc tgtcccatc cgggcatctc ctgccaggtc agcaccagcc 120  
 accagggccca ccagggtaga gccagggtct cagtttcccc aagttctcct ggtcaggaga 180  
 cccagaggca gctgccactc atcgggtgtg tcatccttct catcagcctg gtgatctcgc 240  
 tcatccttct cttctacttc tggagagtgc cacacaggga tcaagtacaa agagccactg 300  
 gagagttgcc ctatccacgc agttcgctgt gatggagtgg tggacttgca aaatgaagag 360  
 cgatgagctg ggctgtgtca ggttcgactg ggacaagtcc ctctgaaaag tctactctgg 420  
 gtcttctggc agagtggctt cctgtctgca gcagcagcgg aacgacactg actccaagag 480  
 gacctgccag caagctggga ttgacagcg cttaccgaac aactgaggta gccacagag 540  
 acatcaccag cagcttctaa ctctcgaaa caaaacaaca tccaggaaaag gctctacagg 600  
 tcgaatgtct tccggcggat g 621

<210> 30  
 <211> 678  
 <212> DNA  
 <213> mouse

<400> 30  
 tcagcctcca cgacatcctc cccaacgaga gtgtacctg ttagagcaac accagtgggg 60  
 gctgtcccca tccgggcata tcctgccagg tcagcaccag ccaccagggc caccaggag 120  
 agcccaggtc tcagtttccc caagttctcc tggcaggaga cccagaggca gctgccactc 180  
 atcgggtgtg tcatccttct catcagcctg gtgatctcgc tcatccttct cttctacttc 240  
 tggagaggcc acacagggat caagtacaaa gagccactgg agagttgcc tatccacgca 300  
 gttcgctgtg atggagtggg ggactgcaaa atgaagagcg atgagctggg ctgtgtcagg 360  
 ttcgactggg acaagtcctt cctgaaagtc tactctgggt cttctggcga gtggcttctt 420  
 gtctgcagca gcagctggaa cgacactgac tccaaggaga cctgccagca gctgggattt 480  
 gacagcgctt accgaacaac tgaggtagcc cacaggaaca tcaccagcag cttcttactc 540  
 tccgaataca acaccaccat ccaggaaagc ctctacaggt cgcaatgtcc ttccggcggt 600  
 atgtctccct ccagtgttcc cacgtgggtt ggagctatga cgggcggacg aggaggggtc 660  
 gacctgaag catgcctg 678

<210> 31

<211> 577  
 <212> DNA  
 <213> mouse

<400> 31  
 aagttttgat tacgcgcttt ctgcaattga tctcttggtta tttaaaccac cggtttcagg 60  
 tcaatctttg gagtatttgt agctttcta ttttgaaatg actgaattaa gaatttggat 120  
 gcttgctctt ttgggttggtt tgccataaaat ccagcccaca atccagtcgt ctcttgggag 180  
 agggaggtgc cttgcaaact ttcataatac gaatgtgcct gaggtgctt aactctggac 240  
 tagtctcaga tctcaaacct gcaactacac aggaggcata cttttgcttc atctggacat 300  
 ttagaatact gtaaccttgc tgccgtttctg ttagattgct aactacgtcc cccgtctcca 360  
 atttggctct ccttaggcga taggatttgt cgtttttaac ggcaataaac ttgacaacac 420  
 cagaatccaa gttttacttg aaaagctcgg cagaatacac agtggtgtga caaaaaaca 480  
 cagcaaaggg ttcccttctg caatgacaaa cggtaaaaat gctgtaacgt tgaagaataa 540  
 ctatttccac gcaagaacct cctgcttgac tgtgtat 577

<210> 32  
 <211> 688  
 <212> DNA  
 <213> mouse

<400> 32  
 ggtgatctcg ctccatccgt tctcttctac ttctggagag tgccacacac gggatcaagt 60  
 acaacggagc cactggagag ttgccctatc cagcgagttc gctgtgatgg agtggtggac 120  
 tgcaaaatga agcagcgata gagctgggct gtgtcaggtt cgactgggac aagtccctcc 180  
 tgaaagtcta ctctgggtct tctggcgagt ggcttctctg ctgcagcagc gagctggaac 240  
 gacactgact ccaagaggac ctgccagcag ctgggattct gacagcgctt accgaacaac 300  
 tgaggtagcc cactagagac tgtcaccagc agcttcttga ctctccgaat acgacaccac 360  
 caatccagga aagcctctac aggtcgcaat atccttcccg gcggtaatgg tctcccatcc 420  
 agtggttcca ctgtggtttg agagcctatg accggggcga tcgtgggagg cggtctgaa 480  
 cctcgagagc caagtgcgc ctggctaagt tagcctgcac ttcggcaact acccacattc 540  
 tgtggcgga cacttcatcg atagcccag gtgttctcca ccggttgcca ccgttttttg 600  
 tgaccccgca acaacctctt aacaagtgc aacacctttt tccaccacaa atgtcccagc 660  
 acccacaagt ccttctcccc aactcttg 688

<210> 33  
 <211> 614  
 <212> DNA  
 <213> mouse

<400> 33  
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 caggctgtcc aagcccctga cctgtcagc tcacatccac cctgcctgcc tcccgatgca 120  
 cggtcagacc ttccggcctca atgagacctg tggatcacgg gcttggcaaa accaaggaga 180  
 cagatgagaa gacatctccc ttctccgag aggttcaggt caacctcatt gacttcaaga 240  
 agtgcaatga ctacttggtc tatgacagct accttcccc aaggatgatg tgtgccgggg 300  
 atctacgagg agggagggac tctgcccagg gagacagtgg aggacctctc gtctgtgagc 360  
 agaacaatcg agggatcctg gcagggtgtc ccagctgggg cacaggctgt ggccagaaaa 420  
 acaagcctgg tgtgtacacc aaagtgcagc aagtacttcc ctggatttac agaaagatgg 480  
 agagtgaggt acgattccgg aaatcttaac catgtcctcc tcacgtagct gactgctatg 540  
 aagatcctgg gcacagggat gggggcattt gcagccatct ggtacagtgg acaacaagca 600  
 cctttgggttc tccc 614

<210> 34  
 <211> 751

<212> DNA  
 <213> Homo sapiens

<400> 34  
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 tccaggcccg gcatctccag cccaggcacc actttccagg tcctcatcct ggcagggtcat 180  
 catccgccag gtcagcctcg gtgacaacct ccccaaccag agtgtacctt gttagagcaa 240  
 caccagtggg ggctgtaccc atccgatcat ctcttgccag gtcagcacca gcaaccaggg 300  
 ccacagtgga gagcccagggt acgagcctga ccaagttcaa ctgagcaggg agggccagaa 360  
 gcagctaccg actcatcgga gtgcagtgtc cactcctcat tgccctggat ggtttacgct 420  
 catcactctc ttccagttct ggcagggcac acagggatca aggtcacaag gagcaagatg 480  
 tgtgagagct tgtcccaaag cagcctgtgt cgcttgtgca cggggtgtat gggacttcca 540  
 aagactgaag aggtgacaga cgctgtgcta gcgtgaggta ttgactggga ccaacgtctc 600  
 tgctttaaaa tcttactctg ggtccctcca atcagtggga tcccatctgt agcagcacct 660  
 ggggaattgac tctactacag agaagactgc cagcgagtgg gatcaaagag gtccccggga 720  
 cacgaggtgg ccacaggatt ggcaaagatt a 751

<210> 35  
 <211> 1230  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(1230)  
 <223> n = A,T,C or G

<400> 35  
 atgaccacgc tgtctgcttc tttttctcta gtccagttct ggcagnncca cacagnnacc 60  
 aggtacaagg agcagagggga gagctgtccc aagcacgctg ttcgctgtga cggggtgggtg 120  
 gactgcaagc tgaagagtga cgagctgggc tgcgtgaggt ttgactggga caagtctctg 180  
 cttaaaatct actctgggtc ctcccatcag tggcttccca tctgtagcag caactggaat 240  
 gactcctact cagagaagac ctgccagcag ctgggtttcg agagtgtca ccggacaacc 300  
 gaggttgccc acaggggattt tgccaacagc ttctcaatct tgagatacaa ctccaccatc 360  
 caggaaagcc tccacaggtc tgaatgccct tcccagcggg atatctctct ccagtgttcc 420  
 cactgcccgc tgagggccat gaccgggccc atcgtgggag gggcgctggc ctcgatagc 480  
 aagtggcctt ggcaagttag tctgcacttc ggcaccaccc acatctgttg aggcacgctc 540  
 attgacgccc agtgggtgtc cactgccgcc cactgcttct tcgtgacctg ggagaaggtc 600  
 ctggaggggt ggaagggtga cgcgggcacc agcaacctgc accagttgcc tgaggcagcc 660  
 tccattgccg agatcatcat caacagcaat tacaccgatg aggaggacga ctatgacatc 720  
 gccctcatgc ggctgtccaa gcccttgacc ctgtccgggtg aggggaatctg cactccccgc 780  
 tctcctgccc cccagcccca gcacctctg cagccctcgc acttgtcagc atctgtcaac 840  
 tcatatccgg gcccacaaagc ttctgcagac aagacatccc ccttcctccg ggaggtgcag 900  
 gtcaatctca tcgacttcaa gaaatgcaat gactacttgg tctatgacag ttaccttacc 960  
 ccaaggatga tgtgtgctgg ggaccttcgt gggggcagag actcctgcca gggagacagc 1020  
 ggggggcctc ttgtctgtga gcagaacaac cgctgggtacc tggcaggtgt caccagctgg 1080  
 ggcacaggct gtggccagag aaacaaacct ggtgtgtaca ccaaagtgc agaagttctt 1140  
 ccctggattt acagcaagat ggaggcgagg tgcgattcag aaaatcctaa ccagctggcc 1200  
 tgctgctctg cacagcaccg gctgctgtga 1230

<210> 36  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>

<223> Random oligonucleotide

<400> 36

tcaactgact agatgtacat ggac

24